

# FOLIO

## Scholarly Obligations and Contract Research

A researcher negotiates a research contract with a government or private agency. The work is supported by that agency. What is that scholar's obligation to the academic community? How long should she wait before releasing the results of her work? The latter question was discussed at some length by General Faculties Council at its May meeting and refinements were made to a University policy guiding researchers in such matters.

The previously current policy, which came into effect in April 1973 (*GFC Policy Manual*, Section 96), stated that "University research which is pursued under conditions which restrict publication is not compatible with University policy, and any exception to this principle shall be subject to formal review procedures...." That policy has now been amended to sanction the withholding of release of results or conclusions for a period of up to 18 months after completion of a project. Any exception to this policy must be approved by the Office of the Vice-President (Research) and reported at regular intervals to the Uni-

versity Research Policy Committee and annually to GFC.

Why 18 months? Simply because this appears to be the norm for private industry. According to information reviewed by GFC members on 24 May, the federal government normally requires dissemination of contract research results be withheld for three months, our provincial government looks to a 12-month period, and private business normally requires the longest delay. There is nothing, of course, to prevent our researcher from publishing earlier should those who sponsor her work not make funding contingent on such a delay. □



*The President's Walk began with a bang as Myer Horowitz touched off a howitzer at high noon, 30 May. Music greeted the walkers throughout the route as University staff, waving placards and balloons, walked, jogged, danced or rollerskated around campus. The Walk was part of National Physical Activity Week. University event.*

## Ledgers into Ploughshares

### *GFC Endorses Agricultural Business Management Program*

The Faculties of Agriculture and Forestry and Business yoked together on 24 May to see GFC endorse the establishment of a new BSc program in Agricultural Business Management. The proposal, which originated in a 1981 recommendation contained in Rural Economy's PACC review, had previously gained all appropriate academic approvals.

The program, according to information submitted to GFC, is designed to provide students with training in the areas of business management, agricultural economics, economics and technical agricultural sciences. Armed with such knowledge and equipped

with such skills, graduates of the program will be expected to engage successfully in the management of farms and related enterprises in rural and agricultural areas. The long-term objective of the program is "to focus serious academic effort, both in research and instruction, on businesses relating to agriculture." Such businesses operate in a milieu different from the norm: they are typically small, away from urban areas and lacking the infrastructure such areas provide, and require not only managerial skills but also thorough technical understanding.

Entry to the program will be at the second year of the BSc with instruction provided by members of both Faculties. A minimum entrance GPA will be set and regulations governing promotion to subsequent years

are yet to be formulated. While the Faculty of Agriculture and Forestry does not set a limit on enrolment, entrance standards are expected to be as least as high as those expected of students entering programs within the Faculty of Business.

Dean Patterson (Education) questioned the possible affect on the priority of other new programs now awaiting approval, i.e., funding, by the Minister of Advanced Education. He was assured that the University's priorities will be properly assessed by the Academic Development Committee. Also, it was noted that the establishment of the program is not necessarily made subject to funding by the Government of Alberta but to the "availability of an appropriate level of funding." □

## Inside

- 'Roads' scholar visits
- J.W. Osborn on the evils of multiple choice questionnaires
- University has presence on Sport Council
- Director of Parking Services and Acting Director of Housing and Food Services Appointed

## University Represented on Alberta Sport Council

Three faculty members sit on the 16-member Board of Directors of the Alberta Sport Council, the re-vitalized replacement for the former Alberta Games Council.

All three—Barry Mitchelson, currently on secondment to the provincial government as the Deputy Minister of Recreation and Parks, Maury Van Vliet, Professor Emeritus, and Gerry

Glassford, Dean, Faculty of Physical Education and Recreation, have been closely involved with the creation of the Council and its current operation. Drs. Van Vliet and Glassford also serve on the Technical Committee of the Alberta Sport Council and Dean Glassford chairs the Zone 5 Local and Regional Committee for the Council as well.

In 1984-85, \$1.4 million was allocated to the encouragement and development of amateur sport in the province and over the two years, that figure will be more than tripled. The Council recently announced the allocation of nearly \$4 million to provincial sport associations. Seventy-seven sport groups were invited to apply for funding through a designed application process and a review of these applications has resulted in the allocations. The money will assist in leadership development and the encouragement of increased athletic participation in all sports, at all levels.

Of particular interest is the awarding of \$855,570 to the Alberta Olympic Game Plan to help prepare athletes, coaches and officials for the 1988 Winter Olympics in Calgary. Approximately \$1 million a year is over a four-year period will provide

additional financial resources to the nine provincial Winter Olympic sport programs. One of the Council's goals is to place one Albertan on the various teams which will make up Canada's 1988 Winter Olympic Team.

The Alberta Sport Council is a provincial crown corporation, operating with funds provided by the provincial

government, Western Canadian Lottery Foundation and the private sector. Its activities are focussed on the general advancement of sport in the province by addressing the needs of the developing athlete and by providing specific services to sport participants at all levels of competence. □

## Micro Store to Stock IBM 'Wares'

IBM microcomputer hardware and software will soon be available at the Micro Store, tentatively in July. The University of Alberta and IBM have signed an agreement that permits the Micro Store to sell IBM microcomputer products at discount prices to full-time staff and students at the University.

Apple microcomputer hardware and software are also available at discount prices to University departments, full-time staff and students.

The Micro Store is in 103P General Services Building. It is open from 9 a.m. to 3:30 p.m. weekdays. □

# FOLIO

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*Spring Session for Seniors has been growing in popularity for ten years and this year was no exception. A record 392 seniors enrolled in the program, which offered courses in painting, physical fitness, creative writing, computing, theatre and film and other subjects. The program is funded mainly by a grant from Alberta Advanced Education, with each participant paying a \$20 registration fee. In addition to regular courses, there are additional noon hour activities. Pictured above is Shall Sinha of the Department of Occupational Health and Safety, Government of Alberta, who portrayed Gandhi for students interested in political history.*

## Volunteer Call by International Student Centre

The International Student Centre (ISC) is calling out for volunteers. The response to the Centre's first plea was excellent and now, because volunteers have finished school or found other positions, replacements are needed.

Positions which need to be filled are: newsletter editor/assistant which involves layout, printing, writing editorials and articles and publishing; resource librarian who will assist in educating people in work, study, travel and volunteering internationally; interpreter/translator; receptionist (urgently needed); public relations person who will publicize and encourage participation in ISC programs and events; and spouses companion to as-

sist an international student's spouse to become involved in ISC events and in the community.

Anyone willing to volunteer their time is asked to call the Centre at 432-5950. □

## The Grade of 3 Fails

Effective September 1986, the grade of 3 will lose its "conditional" status as a grade awarded in the limbo between outright failure and barely passing and will join the grades of 1 and 2 as indicating failure. This decision, taken at the 24 May meeting of General Faculties Council, will not be applied retroactively affecting, as it will, all courses and poor students from the fall term of 1986 on.

That the grade of 3 should indicate failure has the support not only of GFC but also of Dean's Council and most of the Faculties surveyed by the Office of the Registrar. Three Faculties (Business, Dentistry, and Engineering) opposed the change for a variety of reasons. Dentistry, for example, operates on a "pass-by-year" system. Thus failure in one course would require an otherwise good student to repeat all the courses taken that year. None of the three Faculties just mentioned, however, appeared unalterably opposed to the proposal approved by GFC and each, like their sister Faculties, have re-examination procedures in place.

One more philosophical question was raised by a member of GFC. Michael Asch (Anthropology) questioned the rationale of there being three failing grades and suggested that thought be given to the University's marking structure. □

## Australian Road Expert Visits Us

Max Lay believes you should expect to find children playing in residential streets, wobbling about on bicycles and chasing balls, while adults stand in the road and talk. Neighborhood roads should be "places for living", he says, not thoroughfares for motorists—who ought to see themselves as only one of several users of this space.

Dr. Lay, Executive Director of the Australian Road Research Board (ARRB) and member of the Faculty of Engineering at the University of Melbourne, is at our University until 15 June as Distinguished Visiting Professor in the Department of Civil Engineering. Author of the *Source Book for Australian Roads*, Dr. Lay is now working on an international textbook on roads and is in Canada to collect information on cold weather road construction and to get North American input on road traffic and safety. While he is with us, he is also conducting a number of seminars in his two specialties, structural steel design and transportation.

When *Folio* went to see him last week, Dr. Lay said that at the time he got into the road business he was president of an anti-freeway movement in Melbourne. In his work now with the ARRB "there is a lot of human involvement."

"We have behind us 50 years of disasters in the suburbs of the world," he says. "We have created horrible places to live, that are motorcar dominated. In the last 10 years we've realized that streets can be an asset to the community. It's geometry that makes a road look nice. That's not only trees, it's in the width, the human scale. Narrow streets are easy to manage. Grand avenues make Paris impressive, but the smaller streets and side streets make it a pleasant place to live. Brasilia is a city built only on the grand scale and it is not a great success."

"Considering the natural difficulties, Edmonton has done a pretty good job to make it a good place to live. The best has been made of the river valley and the ravines. And collector roads in the new subdivisions don't have houses facing them."

Dr. Lay thinks, though, that our roads may be a little too wide for safety. Wide roads encourage speed-

ing or, as he puts it, "inappropriate driving." And he wonders why Edmonton drivers are so respectful of pedestrians, since, with its "hugely wide roads", the city is really not pedestrian-oriented.

On driver behavior, Dr. Lay told *Folio* what he doesn't usually say to the press. "The people who have accidents are commonly male, under 25, probably blue-collar workers and have probably been drinking. This is a fairly common finding around the world." He added, grinning, "The only good thing about middle-age is that you have a lower accident rate."

"If we are marketing road safety," he continued, "we have to realize the sort of person who is having the most trouble with the system. If we design measures to reduce speed on rural roads, it's no good putting up inappropriate messages. You must talk to the most likely speeder in the language he uses to his friends, and in the places he is likely to see it. Put the advertising in places where young males are drinking, show them themselves in the picture, and talk to them in their own language."

"In planning safety measures, you have to consider the behavior of drivers most likely to cause problems. But most of the measures are planned by responsible, well-educated citizens in their late thirties."

Dr. Lay admits to being "really shocked" by the number of young children he has seen here unrestrained in cars, and wonders if their parents have ever seen a picture of a child's face after it has hit the dashboard. Even in the back seat, he says, a child should be buckled up. In an accident, that child will become a missile and adults in the front seats have been concussed from being struck in the back of the head by a child thrown forward.

Edmonton is trying fairly hard and fairly successfully to plan its traffic, Dr. Lay thinks, but he feels we "pander to car parking too much. There are too many parking lots. People should leave their cars home and catch the LRT. But then most people believe that the LRT is for their neighbors." In fact, Lay's First Law is, "If you can use your car, you will."

Also interested in history, Dr. Lay has written *A History of Australian*

*Roads*. A chapter in his new book will be on the international history of roads, and his wife, Margaret, who is here with him, is collaborating on this. As a history buff, Dr. Lay commented on "the absence of anything much that is old in Edmonton. There is very little indication of what things might have been like even 50 years ago."

It was a surprise to Dr. Lay to discover how large our University is. He finds our "indoor living approach and

inter-connected walkways" even more surprising. A man not given to superlatives, Dr. Lay describes the outdoor, architectural connection of Rutherford North and South and the Business and Tory Buildings as "spectacularly successful."

When he leaves us, Dr. Lay will visit Eastern Canada and a number of European countries before returning to Australia. □



Workers with Thurber Consulting Ltd. take underground core samples from the proposed LRT route through the campus. According to those in the know, the campus is built on a number of sand pockets which are found deep beneath the surface. The information obtained from these samples will either confirm the route or result in a new one being created.

## Degree Standards, Illiteracy, Convenience and MCQs

J.W. Osborn, Chairman  
Department of Oral Biology

I have just walked out of the ice rink at this University, temporarily converted to a hall, where hundreds of potential doctors of medicine and of dentistry were taking their end of year examinations. Nearly all of them were busily pencilling in little circles on computer sheets. It would appear that a large proportion of our staff use those wretched multiple choice questionnaires (MCQs) to test the abilities of students being examined for a doctorate at the University of Alberta. In my view too much reliance on this form of examination debases both the University and its degrees, let alone its doctorates; contributes to the widespread and agreed illiteracy of undergraduates; could adversely affect the study patterns of students and the teaching staff; raises mere memory to the pinnacle of perceived excellence; and is unfair to everyone involved except those who would otherwise be required to undertake the drudgery of marking essay papers.

A good memory is a valuable asset in most endeavors but it is only one facet of wisdom. More important are capacities for judgement, synthesis, analysis, creativity and so on, supposedly the hallmarks of a university degree. Of considerable less importance is a good short-term memory, and any student will tell you that this is largely what MCQ examinations test. Gold medals, scholarships, "straight A" degrees, doctorates and the best job opportunities are the rewards given to the leaders in examinations too many parts of which are merely testing the capacity to recognize, not even recall, facts committed to short term memory. A properly programmed home computer would, within seconds, equal or beat the combined talents of the most outstanding academic staff in any university at this sort of examination.

In case you think I have no experience of MCQs, I have been an advocate of them and used them for over 20 years to contribute to about 15 percent of the marks awarded for a degree course. I was chairman of the Joint Committee on Multiple Choice

Questionnaires at London University (England); and edited and wrote a large part of a lengthy explanatory booklet for that university. The above committee ruled that MCQs could contribute no more than 25 percent of the marks awarded for an examination and that no question could be used without having been tested and proved statistically adequate in a class examination whose results did not contribute towards the degree. Like salt on food, MCQs used sparingly and in their proper place can add an excellent flavor to an examination.

I do not deny the reliability of good MCQ examinations: that is, different tests of equal and sufficient difficulty would result in closely similar ranking of students, closer than that of a (subjectively) marked essay examination. Furthermore, many MCQ examinations are valid. In other words they examine students on what they should have learned from a course rather than, for example, spelling and grammar. It is, however, almost impossible to give an appropriate grade to a particular MCQ percentage mark without testing it against other types of examination. Unfortunately it is well documented, and I know from long experience, that the results of MCQ examinations are not consistent with those of other types.

Your answer to the above inconsistency, even if you were previously unaware of it, may be to continue relying on MCQ examinations. I would argue most strongly that if you can safely rely on MCQs, whose scope is largely confined to testing memory, to rank and grade your students for a university degree or doctorate then your course should not count towards the grade point average. It is certainly fair to test students' memories but one who fails a valid and reliable MCQ examination may have other qualities which, if properly tested, would lead to a good class standing. And these other qualities (judgement, creativity, evaluation and so on) should be far more important in a university degree. I conclude that if your whole course can be reduced to recognizing true from false it warrants no more than a fail or pass. Don't muddy the grade point averages with your memory test. Grades are too important. Leave them to academic staff who require exam-

ination achievements more appropriate to a university degree.

Examination standards lie at the heart of a degree. The quality of teaching, a facet of university education with which I think we are too preoccupied, should generally have little to do with the quality of the degree. Improved teaching merely increases the number of students who exceed a required examination standard. Of course, it could be argued that our better teachers require higher achievement in better and more rigorous examinations but, once again, it is the examinations which determine the worth of the degree. The true value of a degree and ultimately (you can only fool people for so long) the public perception of the merit of an education at a given university depend on examination standards. I wonder if there is a correlation between this perception and the spread of MCQ examinations.

I imagine that MCQ examinations are so prevalent in this University because of expediency and convenience rather than demands of the degrees and the doctorates we award. Whatever your reasons, if you largely rely on MCQs you are severely and, I believe, unfairly handicapping some of your good students both in university and in later life if grade point averages are used to measure worth.

Even if many of us are unaware of the inadequacies, limitations and

unfairness of over-reliance on MCQ examinations, it is very encouraging to find that students are. In a recent survey the Students' Union discovered that only 7 percent of students think they are the best test of their "knowledge" of a subject while only 15 percent would combine them with "another exam format." The remaining students, over three quarters of those responding to the questionnaire, favor a different form of examination. Why not respond to the survey? Several of my colleagues point a finger at the Registrar's Office.

The Registrar's Office requires us to submit results within five days of examinations having been taken. Many of us would like at least two weeks or longer to be able to mark them. During this time we could also conduct other forms of test which would add to the final grades and to the worth of our degrees. But those five days are so dauntingly short that many feel they only have time to mark and grade an MCQ examination. Regardless of the use of MCQ examinations and, to help staff, increase the time for grading students by allowing at least two weeks to submit grades. The quality of examinations which set the value of degrees, the future prospects of graduates and the standards of our University are far too important to be sacrificed for mere convenience. □

## Debating Team Bounces Baylor

University Debating Society members Kevin Feth and Rolf Pritchard were recent victors in a debate which was part of a series called "Dialogue." The two, in defending the opposition side of the argument "Be it resolved that unions are a threat to economic growth," defeated a well-regarded team from Baylor University, Waco, Texas. Baylor had, in fact, been top-seeded at the United States National Debate Championship.

"Dialogue" consisted of 18 debates engaging 36 Canadian and American universities discussing issues of joint concern. In addition to the debates,

participants were also involved in forums on the role of the press and the senate, and attended receptions hosted by the American Ambassador, the National Arts Centre and the CBC.

The series took place 17 and 18 May in Ottawa and Washington, D.C., and was sponsored by the CBC and Nabisco Foods. The moderator was Ken Taylor, Canada's former Ambassador to Iran and Consul General in New York. Mr. Taylor is now an executive of Nabisco.

"Dialogue" is expected to air on CBC in the fall. □

## Frederick David Clandfield, 1932 - 1985

F.D. Clandfield died suddenly, in Edmonton, on 25 May 1985.

Fred Clandfield was born in Calgary on 22 May 1932. He received his BED from this University in 1955, and his MA in English, also from the University of Alberta, in 1959. Before joining the Department of English as an Assistant Professor in 1963, he taught elementary school in Calgary from 1950 to 1952, high school in Red Deer and Lethbridge from 1958 to 1960, and first-year courses at Leth-

bridge Junior College (as it was then) from 1959 to 1961.

His doctoral work began in 1961 at The Shakespeare Institute (at that time in Stratford-on-Avon, now at the University of Birmingham). His thesis project was a prodigious one: to study all available books published in England, or in English abroad, in the year 1616. Professor Clandfield's work was part of an even larger project organized by The Shakespeare Institute, to have similar studies done of books

published every year in the period of Shakespeare's lifetime and after, down to 1640. (Professor Clandfield's "own" year had special significance, 1616 being the year of Shakespeare's death). His study of some 400 books was a time-consuming one, painstakingly carried out; the dissertation, completed in 1981, was 1,313 pages in length.

To his colleagues and students, Fred Clandfield was known as a dedicated teacher, one who was highly-praised for his thorough and helpful marking of essays and his encouragement of students to think for themselves. In addition to teaching the usual first-year classes, and, of course, senior classes in Shakespeare, he also developed another area of specialization, children's literature. His interest in the entire system of education in Alberta, which began when he was a school teacher, was reflected in a wide range of activities: from membership on the executive of the McKernan Home and School Association, to radio talks on CKUA, to membership on the executive of the Language Arts Council of the ATA (and presidency

of this council in 1968-69), and to several years' service on the English Department's High School Liaison Committee.

Professor Clandfield responded energetically and responsibly to the demands for administrative assistance necessary in a large department, serving on many committees, and chairing others (including the Freshman Committee from 1980-82); he was elected four times to membership on the department's Chairman's Advisory Council. In his administrative work, as in other activities, Professor Clandfield was a cheerful, helpful, and trusted colleague.

Fred Clandfield had suffered a heart attack in January of 1984; at the time of his unexpected death he appeared, however, to be enjoying a successful and well-earned study leave. He is survived by his wife, Donna (daughter of the late Emeritus Professor A.G. McCalla), two children, Peter and Ruth, his mother, Isabelle Clandfield, and three sisters, Johanna Hoff, Mary Meigh, and Anna Wansink. □

## New Learning Technique

A new aid to rapid—almost magical—learning has made its appearance. Indications are that if it catches on, all electronic gadgets will be so much junk.

The device is known as "built-in-orderly-organized-knowledge." The makers generally call it by its initials: "BOOK".

Many advantages are claimed over the old style learning and teaching aids on which most people are brought up nowadays. It has no wires, no electric circuit to break down, no connection is needed to an electrical power point. It is made entirely without mechanical parts to go wrong or need replacement.

Anyone may use "BOOK", even children, and it fits comfortably into the hands. It can be conveniently used sitting in an armchair by the fire.

How does this revolutionary, unbelievably easy invention work? Basically "BOOK" consists only of a large number of paper sheets. These may run to hundreds if it covers a lengthy program of information. Each sheet bears a sequential number so that the sheets cannot be used in the wrong order. To make it even easier for the user to keep the sheets in the proper order they are held firmly in place by a special locking device called a "binding."

Each sheet of paper presents the user with an information sequence in the form of symbols, which he absorbs optically for automatic registration on the brain. When one sheet has been assimilated a flick of the finger turns it over and further information is

found on the other side. By using both sides of each sheet in this way a great economy is effected, thus reducing both the size and cost of "BOOK". No buttons need to be pressed to move from one sheet to another, to open or close "BOOK", or to start it working.

"BOOK" may be taken up at any time and used by merely opening it. Nothing has to be connected or switched on. The user may turn at will to any sheet, going backwards or forwards as he pleases. A sheet is provided near the beginning as a location finder for any required information sequence.

The initial cost varies with the size and subject matter. Already a vast range of "BOOKS" is available, covering every conceivable subject and adjusted to different levels of aptitude. One "BOOK", small enough to be held in the hands, may contain an entire learning schedule. Once purchased "BOOK" requires no further upkeep; no batteries or wires are needed, since the motive power, thanks to an ingenious device patented by the makers, is supplied by the brain of the user.

"BOOK" may be stored on handy shelves and for easy reference the program schedule is normally indicated on the back of the binding.

Altogether the built-in-orderly-organized-knowledge seems to have great advantages with no drawbacks. We predict a big future for it.\* □

\*Reprinted from The Canadian School Executive, March, 1985.

## Personnel Services in STEP

The Office of Personnel Services and Staff Relations, through the Employment Services Division, has arranged to provide University teaching and service departments with a variety of services related to the provincial government's Summer Temporary Employment Program (STEP).

According to J.B. Caunt, Director of PSSR, the government has committed upwards of \$559,000 to the University. More than 300 applications have been submitted and about 159

have been approved.

Besides the unding allocated to STEP, 75 projects/proposals have been approved for funding under the Summer Employment/Experience Development (SEED) program conducted by the federal government.

The total amount of funding granted to the University under this program is \$398,978, Mr. Caunt says. The combined funding committed under both STEP and SEED is \$958,799. □

## Allan Mah Appointed Manager, Parking Services

The Department of Physical Plant has appointed Allan Mah to the position of Manager, Parking Services. Mr. Mah will succeed Jim Carroll who is retiring from the University.

Mr. Mah has a BComm from the

University of Alberta supplemented by considerable additional training, including accreditation as a certified property manager. He has been a property manager and a parking development and operations manager. □

## Acting Director of Housing and Food Services Appointed

A.M. Rennie, Associate Vice-President (Facilities and Services), is pleased to announce the appointment of David Bruch, effective 15 June 1985, as Acting Director of Housing and Food Services as a result of the recent resignation of Gail Brown, who is leaving the University to pursue other career opportunities.

Mr. Bruch, whose involvement with Housing and Food Services has included his work as the personnel officer, joined the University in 1979. He has served as acting director on previous occasions during the director's absence. □

## people

Karol Krótki (University Professor/Sociology) presented to the Pakistan Society of Development Economists at their annual meeting in Islamabad an invited lecture "The reported masculinity ratio in Pakistan: a triumph of anthropology and economics over biology," acted as a discussant for other papers and was chairman of a session. His session was presided over by Syeda Abida Hussain, a lady member of parliament, who in recent elections won a general seat (that is, not reserved for females and minorities) by 27,000 votes. Dr. Krótki also acted as a panelist and discussant at a three-day international "Media and Population Seminar" in Ottawa organized by the United Nations Fund for Population Activities, Radio Canada International, Carleton University's Department of Journalism and the Canadian journalists bimonthly *Content*. The seminar was a follow-up for senior journalists, broadcasters and television producers on the 1984 World Population Conference in Mexico City.

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

### Coming Events

#### Lectures and Seminars

##### Anatomy

6 June, 4 p.m. Noel Cameron, University of Witwatersrand, "In Search of the Curve." 6-28 Medical Sciences Building. Sponsored by the Alberta Heritage Foundation for Medical Research.

##### Medicine

7 June, 11 a.m. Gordon Bruce, Department of Biochemistry, University of Texas Health Science Centre at Dallas, "The Regulation of Choline Acetyltransferase (ChAT) in Relation to Alzheimer's Disease." 968 Medical Sciences Building.  
10 June, 10:45 a.m. G.J. Sarver-Foner, De-

Three members of the Pandas field hockey team and head coach *Dru Marshall* were named to the Canadian National Women's Under 21 (U 21) Team. The team is currently in Holland where it will train and compete until 18 June. Forwards *Deb Covey* and *Maria Cuncannon* and midfielder *Shona Schleppe* are on the U 21 team.

Education researchers and others who have come to appreciate the book *Measures for Research and Evaluation in the English Language Arts* will be pleased to learn that Volume 2 has been brought out by the National Council of Teachers of English, Urbana, Illinois. The authors are *William T. Fagan* (Elementary Education), *Charles R. Cooper*, University of California—San Diego, and *Julie M. Jensen*, University of Texas at Austin.

*Raj Ram* (Comptroller's Office) has completed her course requirements for her CGA (Certified General Accountant) designation and her mark of 92 percent on her last course was the highest in Canada.

*Jay Bishop* (Educational Psychology) accepted for publication September 1985 The Present and Future of OMEP: Making Membership Worthwhile. *Early Child Development and Care*.

partment of Psychiatry, University of Ottawa, "The Target-Symptom vs. Antipsychotic Approach in Psychopharmacology: Its Origins and Current Status in Relation to Neuroleptics." 2-115 Clinical Sciences Building.

10 June, 4 p.m. Pierre Sirois, Department of Pharmacology, University of Sherbrooke, "Biological Activities of Leukotrienes." 968 Medical Sciences Building.

11 June, 8 a.m. Winston Koo, University of Cincinnati, Department of Pediatrics, "Calcium Phosphorus and Vitamin D in Perinatal Nutrition for Infants." 2-115 Clinical Sciences Building.

### Exhibitions

#### Bruce Peel Special Collections Library

Until 30 August. W.J. Phillips: English technique, Canadian mastery. Eighteen woodcuts in black and white and water colors from books and portfolios. B-7 Rutherford South.

### Radio and Television

#### Radio

CJSR-FM, 88.5, Campus Radio. Eclectic programming, including folk, jazz, new music, rock and U of A news and sports coverage. See *Airtight* magazine for full programming details. Send public service announcements to 224 SUB, 432-5244.

### Non-Credit Courses

#### Computing Services

##### MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)  
AJ510 Operation and Visual Editing (Prerequisite)  
MTS Overview (Prerequisite)

##### TEXTFORM

Introduction to Text Formatting (Prerequisite)

##### SPIRES

Introduction to SPIRES (Prerequisite)  
Advanced SPIRES

##### Graphics

Integrated Graphics Overview (IG)

##### Statistics

Data Preparation for Statistical Packages (Prerequisite)  
Introduction to SPSSx  
Introduction to MIDAS

##### Microcomputers

Introduction to the IBM PC  
Introduction to the Personal Editor  
Introduction to MultiMate  
Advanced MultiMate  
Introduction to Microcomputers  
Introduction to MicroSoft FORTRAN  
Introduction to Macintosh

The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

### Theatre

#### Sub Theatre

8 and 9 June, 4 p.m. "Cheremosh Dance Competitions." Tickets available at the door. For information, call Corinne at 476-3686.

12 June, 7 p.m. "The Edmonton Activettes Family Variety Show." Tickets available at the door.

13 June, 6 and 8 p.m. "Children's Variety Show." Tickets (\$7 for adults, \$5 for children and seniors) available at the door.

15 June, 7 p.m. "Stars of Tomorrow." Darlene's School of Dance's end-of-year recital. Tickets (\$8) available at the door or the studio, 8314 118 Avenue.

#### Studio Theatre

6 to 15 June. "Whiskey Six," a play by Sharon Pollock. Tickets are \$12 and \$15 and are available at the Studio Theatre Box Office, 3-146 Fine Arts Centre. For more information, telephone 432-2495.

### Matters of Faith

#### Catholic Campus Ministry

St. Joseph's College Summer Mass Schedule Until 1 September, Monday, Wednesday, Friday - 7:30 a.m., 12:10 p.m.; Tuesday and Thursday - 7:30 a.m., 12:30 p.m., Saturday - 12:10 p.m., 4:30 p.m.; Sunday, 9:30 and 11 a.m.

#### Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.

Advanced Text Formatting  
Introduction to Plotting  
Introduction to Programming  
Introduction to Typesetting  
Introduction to APL  
Introduction to Tell-A-Graf  
Introduction to BMDP  
Introduction to MINITAB  
Introduction to TROLL  
For more information on any of the courses listed above, telephone the Training Coordinator at 432-2511, between 8 a.m. and 4 p.m., weekdays.

### Faculty of Extension

#### Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.

Management Development  
Personnel Administration  
Computers and Business Data Processing  
Industrial Security Management  
Purchasing Management Development  
Applied Land Use Planning Certificate Programme  
Public Administration Certificate (432-5052)

#### Citation Programme

For further information on the following programmes, telephone the number(s) listed behind the course.

Executive Development Programme for Women (432-5545 or 432-3027)  
Supervisory Development Programme (432-5066)

### **Land Use Planning Studies**

For further information on the following courses, telephone 432-2912.

#### **Plans and Processes**

Survey and Analysis (Field Trip)

### **Industrial Courses**

For further information on the course listed below, telephone 432-2912.

#### **Maintenance Management**

### **PLATO Learning Centre**

"Computer-Taught" courses can be taken any time at your convenience. For further information on this unique way of learning, telephone 432-2444.

Introduction—Keyboarding, Word Processing  
Excellence in Administrative Assistant/Secretarial Work

Introduction—Computers, Data Processing

Introduction to Programming—BASIC, PASCAL,  
FORTRAN

Time—Resource, Financial or Planning Management

### **Applied Behavioral Sciences Division**

For further information on the following course, telephone 432-5069.

The Eclectic Counsellor

### **Devonian Botanic Garden**

For a detailed brochure and registration form, telephone 987-3054.

Suitable Conifers for the Alberta Landscape

### **Fitness and Lifestyle**

Beginning 2 July, the following classes will run twice a week for five weeks.

From Fat to Fit, Monday and Wednesday, 5:15 to 6:45 p.m.

Co-ed Aerobic Fitness, Tuesday and Thursday, 5:15 to 6:45 p.m.

Co-ed Fitness (Moderate), Tuesday and Thursday, 6:15 to 7:45 p.m.

Fitness in Moderation, Monday and Wednesday, 7 to 8:30 p.m.

Aerobic Fitness for Women, Tuesday and Thursday, 7 to 8:30 p.m.

Shape Up After Pregnancy, Tuesday and Thursday, 10 to 11:30 a.m.

Fitness During Pregnancy, Tuesday and Thursday, 5:30 to 6:45 p.m.

Fitness During Pregnancy, Monday and Wednesday, 7 to 8:15 p.m.

Fitness for Unfits, Monday and Wednesday, 5:15 to 6:15 p.m.

Fitness Over 40, Monday and Wednesday, 4:30 to 6 p.m.

Rush Hour Workout, Monday and Wednesday, 4:30 to 5:30 p.m.

Fitness for Men, Monday and Wednesday, 7 to 8:30 p.m.

Tai Chai, Tuesday and Thursday, 7:30 to 9:30 p.m.

Leitch and his wife, Kathie, will be held on Friday, 12 July, from 3:30 to 6 p.m. at University House.

All members of staff and friends and acquaintances of Mr. and Mrs. Leitch are invited to attend the reception.

Persons wishing to make donations toward a farewell gift for the couple are invited to send cheques payable to the "Lorne Leitch Farewell Fund," care of Mrs. June Butt, 3-12 University Hall, prior to 5 July.

### **General Faculties Council**

GFC's next meeting is scheduled for *Friday, 14 June, at 9 a.m.* in the University Hall Council Chamber. The Agenda for the 31 May GFC Executive Committee meeting is printed below. The Executive Committee, at that meeting, will determine which items are forwarded to GFC and therefore placed on the 14 June GFC agenda.

1. Approval of the Agenda

2. Approval of the Minutes of 13 May 1985

#### **New Business**

3. Senate Task Force Report on Ethics: Senate Recommendations to General Faculties Council

4. Course Delivery Issues: Proposal from the Committee for the Improvement of Teaching and Learning (CITL) and the Committee on Student Services (COSS) for Revision to Section 113 of the Policy Manual

5. Grading System: Proposal from the Committee on Student Services Regarding Revision of Information on the Grading System as it Appears in the Class Record Book, the Calendar, and the *GFC Policy Manual*

6. Chairman's Selection Committee Procedures: Proposed Revision of Section 103.2.1(C)(v) of the Policy Manual

7. Director of Native Studies: Proposal for Selection Committee Procedures

8. Residence for Purposes of Quota Programs Selection: Proposed Revisions to Section 91.4.2 of the Policy Manual

9. Nominating Committee: Request for Advice Regarding Nominating Committee Mandate

10. Faculty of Graduate Studies and Research: Appointment of Graduate Student Representatives to the Faculty Council

11. Grade Conversion: Proposal from the Committee on Admissions and Transfer

12. Native Studies Committee: Annual Report 1985

13. Admissions Committees in Quota Faculties and Programs: Suggestions from the Committee on Admissions and Transfer Regarding Composition of Committees

14. Interim Grade Conversion Guide for IB Evaluation

15. Eligibility of Staff on Administrative or Study Leave to Serve as the GFC Representative on Senate

16. Nominating Committee: Proposal Regarding Eligibility of Nominating Committee Members to Serve on GFC-Related Committees

17. Alberta International Baccalaureate Students: Proposal from the Committee on Admissions and Transfer (CAT) for Revision to Section 11.1.1(f) of the *Policy Manual*

18. Other Business

For information concerning the above agenda, or any items which may have been added to the agenda at the GFC Executive Committee meeting of 6 June, members of the University community may telephone Becky J. Hjartarson, the Assistant Secretary to GFC, 432-4733.

### **Surplus Equipment**

*The equipment appearing in this column is available only to University Departments with University administered funds. For further information about the purchase of equipment or the disposal of your department's surplus equipment, contact Jody Brookwell or Roy Bennett, 432-3208.*

Wanted: Metal Shelving - 150 lineal feet, 8'x10' high

For more information, telephone Donna King or Stan Perka, 432-4284.

### **Advertisements**

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.*

#### **Accommodations available**

Sale - University. Professionally renovated, two bedrooms, two bathrooms, large country kitchen, built-in appliances, and skylight. Den in cedar with open beam ceiling and skylight. Fireplace, finished basement. 436-4738.

Rent - University Avenue, 10839. Beautifully furnished, one-bedroom apartment. \$400. 488-9151, 433-6024. Caretaker.

Rent - Luxury condo. apartment. Claridge House. One block to University. Two-bedroom, 1,300'. \$850 includes parking, utilities, air-conditioning, five appliances, insuite laundry. 430-6797.

Rent - Two-bedroom, California bungalow, furnished, one block from campus. Ground floor only. Reasonable rent. Available 1 September 1985. Phone 434-2911.

Rent - Sabbatical: Comfortable, older, renovated, three-bedroom home. Near campus, fireplace, \$650. 439-6408.

Rent - Four-bedroom, fully furnished home. Near West Edmonton Mall. \$750 plus utilities. July 1985-August 1986. 484-9166.

## **TRAVEL CUTS CORPORATE SERVICES**

TRAVEL CUTS is fully appointed to make reservations for airlines, car rentals, hotels and tours — both international and domestic. We are fully computerized and our staff is knowledgeable about all aspects of travel. We offer you:

- a separate office with full-time staff working only on faculty travel
- convenient on-campus location
- a company with 15 years in the travel industry
- support of 14 Canadian offices and one in London, England.

**Canadian Universities  
Travel Service Ltd**  
Main Floor, SUB 432-2756

### **Non-Academic Positions**

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 31 May 1985. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR. The University of Alberta is committed to the principle of equal opportunity employment.

*Positions available as of 31 May 1985.*

#### **Purchasing Clerk I (\$1,161-\$1,442) Materials Management**

Clerk Steno III (Trust) (\$1,294-\$1,625) Dean of Agriculture and Forestry

Clerk Typist III (Trust) (\$1,294-\$1,695) Civil Engineering

Admissions Records Clerk (\$1,294-\$1,625) Registrar's Office

Medical Stenographer (\$1,442-\$1,842) Medicine Secretary (\$1,442-\$1,842) Business Departmental/Executive Secretary

(\$1,625-\$2,092) Personnel Services and Staff Relations

Departmental/Executive Secretary (\$1,625-\$2,092) R.S. McLaughlin Examination and Research Centre

Animal Assistant I (\$1,161-\$1,442) Provincial Laboratory

Building Services Worker II (\$1,294-\$1,625) Housing and Food Services

Typographical Tradesman II (\$1,442-\$1,842) Printing Services

Technician I (\$1,497-\$1,920) Computing Services

Technologist I (1,697-\$2,182) Botany

Technologist I (Part-Time) (\$849-\$1,091) Anthropology

Technologist I (Part-Time Recurring Term) (\$849-\$1,091) Anthropology

Biochemistry Technologist II (Trust) (\$1,092-\$2,486) Genetics

Pharmacist (Part-Time) (\$802-\$1,038) University Health Service

Programmer Analyst II (\$2,182-\$2,710) Zoology

Programmer Analyst III (\$2,596-\$3,390) Computing Science

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library. Telephone 432-3339.

Rent - Three-bedroom, furnished bungalow. Windsor Park. 6-12 months. Starting 1 July. Call Edna, 433-7495.

Rent - Fully furnished, three-bedroom house in north Windsor Park. Study, family room, game room, fireplace, garage. Large, fenced yard. 15 August 1985 through 15 August 1986. \$1,100 monthly. 432-9305.

For rent - Garneau area. Furnished, two-bedroom condo. Available immediately. Five appliances, fully carpeted, underground parking, air conditioned. All utilities except phone. \$600 per month. Call 1-349-3169 (collect).

Rent - Three-bedroom house, available first week of July. Unfurnished, four appliances, walking distance University. 434-7328, Zenith 22273.

Sale - By owner. Three-bedroom, new house. 1,750', near University. Bow window, fireplace, large garage. 10732 75 Ave. \$109,000. Large mortgage 10 1/2%, five years. 455-0219.

Sale - Parkallen bungalow. Approximately 1,000'. Living room, dining room, two bedrooms, sunny bright kitchen and modern bathroom. Well-kept yard. \$84,900. Call 435-9567, 433-8603.

For sale - Attractive bungalow, by owner. 11013 84 Ave. Great location. Must be seen to be appreciated. Phone 433-5107 for further details.

Rent - 11240 77 Ave. Three-bedroom house. \$775/month. Available 21 June. Married couple. No pets. 436-7248.

Sale - City residential lots. One acre plus. Some

ravine. For details, Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Southgate. Asking \$54,900. 1,020 sq. ft. Three bedrooms, garage. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Belgravia. Price reduced. Bright, cozy bungalow. Fireplace. Two garages. Large lot. Quiet location. Chris Tenove, 433-5664, 436-5250. Spencer's.

For rent - Sabbatical house, five bedrooms, one block from campus, completely furnished. \$900/month. 1 August, ten months. 439-2612.

For rent - House. Four-bedroom, sabbatical house. Study, family room, garage, use of car. Completely furnished. \$750 per month. 1 August 1985-30 July 1986. Phone 483-0006.

#### Accommodations wanted

Professor visiting from England with wife and two daughters, requires furnished house near University. 432-5811 or 438-0222.

Responsible, non-smoking couple seek clean, quiet house rental. 433-3710, 468-6644 (Gerald).

#### Goods for sale

New Royal typewriters, \$300 and up. Used IBMs when available. Mark 9, HUB Mall. 432-7936. NEC Spinwriter 3510, 2-8" drives, heathkit H89, excellent word processing capability. Office desk, chair, file cabinet. 962-4013.

#### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary healthcare reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Avenue. 436-8059.

Landscaping, lawn maintenance. Martin, 433-8729 evenings.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

The Ups and Downs of being a woman. Volunteers

are sought to fill in a questionnaire about physical, behavioral and mood changes which women may experience cyclically. Phone Vivienne, 432-6722.

Ecole Grandin offers Catholic education and strong French immersion program with academic emphasis in downtown area. Also: pre- and after-school care, French immersion pre-kindergarten. Close to University. 482-3676.

Wordsmith - Complete secretarial services, including word processing. Free pick-up and delivery on campus. Call 438-3579 evenings.

Secretarial - Accurate professional typing. Theses, manuscripts, résumés, dictotyping, proofreading, etc. Call Ellie Fleming of Quality Office Services at 923-2777 or 923-2756 (local). 4815 48 St. Gibbons, AB.

### FRENCH COURSE FOR PROFESSIONALS

#### Faculté Saint-Jean

July 8 to 26, 1985  
August 6 to 23, 1985

For Information Call: 468-1254 Ext.: 246

### NEPAL

Three weeks in October-November 1985

—Trek to Everest Region

—Visits to Pokhara, Gorkha, Chitwan National Park, Tibetan Monasteries

—Guided Tours of Royal Cities, temples, shrines

All inclusive land costs \$1650 (except meals and personal requirements)

Organized and conducted by professor recently returned from Nepal and India

—local professional guides

Travel assistance available

Call 433-3533

### University and Community Day Care Society invites applications for the position of Director

**Duties:** To assume responsibility for the day-to-day operation of a 30-space day care centre, located in an elementary school and serving children of University of Alberta staff, students, and surrounding community.

To work closely with the Board of Directors, staff and parents to develop and participate in a caring, stimulating program for children 2½ to 5 years.

**Qualifications:** Formal university training or equivalent in early childhood education, family studies, or a related field.

Extensive experience with preschool children and demonstrated management skills essential.

Position available 15 July 1985.

Submit application with résumé to:

Chairman, Personnel Committee  
University and Community Day Care Society  
Windsor Park Elementary School  
8720-118 Street

Edmonton, Alberta T6G 1T5

Application Deadline: 28 June 1985.

### The House of Your Dreams



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Beautifully restored older home of great character. Walk to U. of A., Whyte Ave. and Strathcona High. 1753 sq. ft. with 4 bedrooms and attic studio. Lounge with fireplace, dining area and study with hardwood floors, french doors to cedar deck and garden. Large country style custom-designed kitchen. New furnace, plumbing, wiring, insulation. \$122,000 o.n.o. private sale. Call 433-7786 or 433-4659 after 5:30 p.m. Open House Sunday June 16th 10:00 am to 4:00 pm. 7500, 105A Street. No agents please.